

ABSTRACT OF THE DISCLOSURE

A method and jig for loosening electric wires of a wire harness passed through a grommet are disclosed. A wire harness is clamped at the front and rear of a grommet. One clamping portion of the jig is rotated to twist the wire harness and thereafter inverted to loose it. Otherwise, the one clamping portion is moved in a direction of compressing the wire harness. The jig includes a fixing-side clamping portion for clamping the one end of a wire harness, a guide rail extending in a longitudinal direction of the wire harness, a bearing slidably engaged with the guide rail; a lock portion for locking said bearing to the guide rail, a circular rotating member, supported by said bearing, for rotating the wire harness in a circumferential direction of the wire harness; and a movable-side clamping portion, integrally attached to the rotating member, for clamping the other end of said wire harness. The rotating member may have a spiral cam groove, and the bearing may have an engagement protrusion to be engaged with the cam groove so that when the one clamping portion is inverted, the rotating member can move in its longitudinal direction. The one clamping portion may include a ratchet mechanism. Further, the one clamping portion may be shifted in a direction of

compressing the wire harness by a motor. Thus, a  
sealing agent can be surely injected among the  
electric wires of the wire harness.

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